



Product Data

HEMPALIN® UNDERCOAT 42460

- Description:** HEMPALIN UNDERCOAT 42460 is a fairly quick-drying alkyd paint.
- Recommended use:** As a general purpose undercoating in alkyd paint systems on exterior and interior steelwork, wood, plaster, etc. in mildly to moderately corrosive environment.
- Service temperatures:** Maximum, dry exposure only: 120°C/248°F.
- Certificates/Approvals:** Approved as a low flame spread material by Danish, French, Spanish and Singaporean authorities according to IMO resolution MSC 61 (67).
Has a Danish, French, Spanish, Singaporean, Malaysian and Indonesian EC-type Examination Certificate.
Complies with EU Directive 2004/42/EC, subcategory i.
Please see REMARKS overleaf.
- Availability:** Part of Group Assortment. Local availability subject to confirmation.

PHYSICAL CONSTANTS:

- Colours/Shade nos.: White/10000
Finish: Flat
Volume solids, %: 53 ± 1
Theoretical spreading rate: 13.3 m²/litre - 40 micron
531 sq.ft./US gallon - 1.6 mils
Flash point: 38°C/100°F
Specific gravity: 1.4 kg/litre - 11.7 lbs/US gallon
Dry to touch: 4 (approx.) hours at 20°C/68°F
V.O.C.: 385 g/litre - 3.2 lbs/US gallon

The physical constants stated are nominal data according to the HEMPEL Group's approved formulas. They are subject to normal manufacturing tolerances and where stated, being standard deviation according to ISO 3534-1.

APPLICATION DETAILS:

- | | | | | |
|--------------------------------|---|-------------|------------|------------------------|
| Application method: | Airless spray | Air spray | Brush | |
| Thinner (max.vol.): | 08230 (5%) | 08230 (15%) | 08230 (5%) | (See REMARKS overleaf) |
| Nozzle orifice: | .015"-.018" | | | |
| Nozzle pressure: | 150 bar/2200 psi (Airless spray data are indicative and subject to adjustment) | | | |
| Cleaning of tools: | THINNER 08230 | | | |
| Indicated film thickness, dry: | 40 micron/1.6 mils | | | |
| Indicated film thickness, wet: | 75 micron/3 mils | | | |
| Recoat interval, min: | See REMARKS overleaf | | | |
| Recoat interval max: | See REMARKS overleaf | | | |

- Safety:** Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult HEMPEL Material Safety Data Sheets and follow all local or national safety regulations. Avoid inhalation, avoid contact with skin and eyes, and do not swallow. Take precautions against possible risks of fire or explosions as well as protection of the environment. Apply only in well ventilated areas.



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APPLICATION CONDITIONS: As dictated by normal good painting practice.
In confined spaces provide adequate ventilation during application and drying.

PRECEDING COAT: HEMPALIN PRIMERS or according to specification.

SUBSEQUENT COAT: HEMPALIN ENAMELS or according to specification.

REMARKS:

VOC - EU directive 2004/42/EC:

| | | | | |
|------------|-------------|--------------------|---------------------|----------------------|
| | As supplied | 15 vol. % thinning | Limit phase I, 2007 | Limit phase II, 2010 |
| VOC in g/l | 395 | 450 | 600 | 500 |

VOC: For VOC of other shades, please refer to Safety Data Sheet.

Film thicknesses: Some of the **certificates** have been issued under the former quality number 4246. May be specified in another film thickness than indicated depending on purpose and area of use. This will alter spreading rate and may influence drying time and recoating interval. Normal range dry is 30-40 micron/1.2-1.6 mils.

Thinning: THINNER O8080 may be used for spray application, however, with a certain risk of wrinkling of a preceding **fresh** HEMPALIN coat.

Recoating: Recoating intervals related to later conditions of exposure:
(40 micron/1.6 mils dry film thickness of HEMPALIN UNDERCOAT 42460)

| | Minimum | | Maximum | |
|---------------------------------|-------------|---------|-------------|--------|
| Surface Temperature | 20°C/68°F | | 20°C/68°F | |
| Recoated with | Atmospheric | | Atmospheric | |
| | Mild | Medium | Mild | Medium |
| HEMPALIN (white spirit only) | 5 hours | 8 hours | None | 7 days |

If this maximum recoating interval is exceeded, roughening of the surface is necessary to ensure intercoat adhesion.

Before recoating after exposure in contaminated environment, clean surface thoroughly by (high pressure) fresh water cleaning and allow to dry.

Note: **HEMPALIN UNDERCOAT 42460 is for professional use only.**

ISSUED BY: HEMPEL A/S - 4246010000C0019

This Product Data Sheet supersedes those previously issued.

For explanations, definitions and scope, see "Explanatory Notes" in the HEMPEL Book.

Data, specifications, directions and recommendations given in this data sheet represent only test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness or appropriateness under the actual conditions of any intended use of the Products herein must be determined exclusively by the Buyer and/or User.

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Product data are subject to change without notice and become void five years from the date of issue.